

The Trail Inventory of Lake Andes NWR Lake Andes, SD



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Lake Andes NWR

Trail and Trail Feature Summaries

Trail Miles and Percentages by Surface Type and Condition

| Trail Surface Type | Excellent | | Others | | Total |
|--------------------|-------------|------------|-------------|------------|-------------|
| | Miles | % | Miles | % | Miles |
| Gravel | 0.13 | 100% | 0.00 | 0% | 0.13 |
| Mowed | 0.29 | 100% | 0.00 | 0% | 0.29 |
| Admin Road | 0.00 | 0% | 0.61 | 100% | 0.61 |
| Total | 0.42 | 41% | 0.61 | 59% | 1.03 |

Trail Miles and Percentages by Trail Classification and Condition

| Trail Classification | Excellent | | Others | | Total |
|----------------------|-------------|------------|-------------|------------|-------------|
| | Miles | % | Miles | % | Miles |
| TC3 | 0.29 | 32% | 0.61 | 68% | 0.90 |
| TC4 | 0.13 | 100% | 0.00 | 0% | 0.13 |
| Total | 0.42 | 41% | 0.61 | 59% | 1.03 |

*Admin Roads are included in the inventory but are not rated for condition.

Trail Features

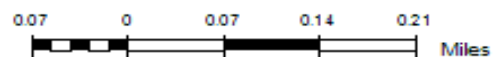
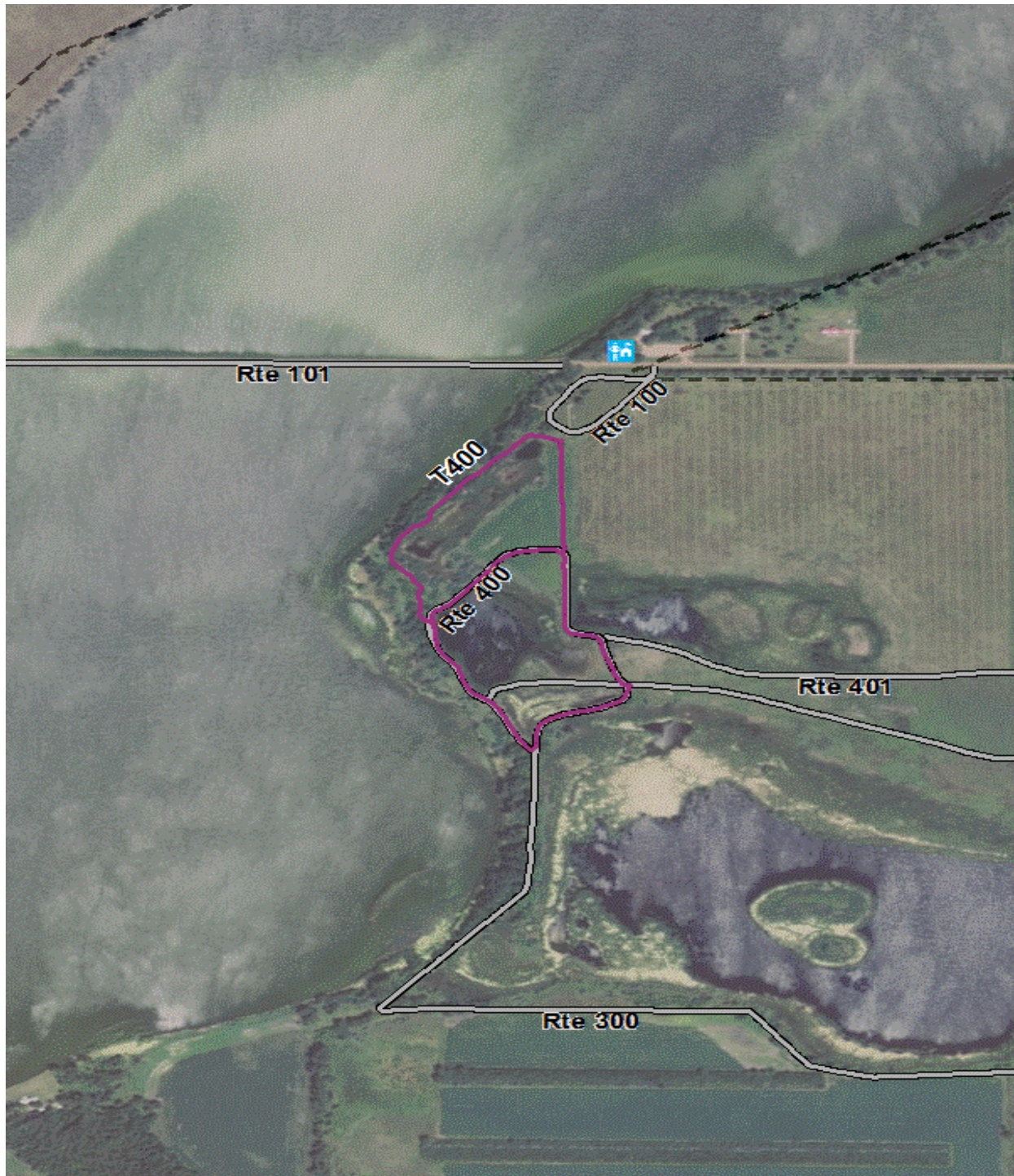
| Trail Number | Feature Type | Quantity | Grouped Feature | Milepost | Photo |
|--------------|---------------------|----------|-----------------|----------|--------------|
| T400 | Sign | 3 | No | 0.00 | LAAN_C2_1708 |
| T400 | Trailhead | 1 | No | 0.00 | LAAN_C2_1709 |
| T400 | Culvert -lf | 14 | No | 0.00 | |
| T400 | Sign | 3 | No | 0.00 | LAAN_C2_1710 |
| T400 | Sign | 17 | Yes | 0.01 | LAAN_C2_1711 |
| T400 | Bench | 2 | No | 0.06 | |
| T400 | Sign | 6 | Yes | 0.06 | LAAN_C2_1713 |
| T400 | Begin Section | 1 | No | 0.13 | LAAN_C2_1715 |
| T400 | Water Control Struc | 1 | No | 0.21 | |
| T400 | Lookout/Ob Deck | 1 | No | 0.22 | |
| T400 | Water Control Struc | 1 | No | 0.37 | |
| T400 | Bench | 1 | No | 0.42 | |
| T400 | Sign | 1 | No | 0.43 | LAAN_C2_1723 |
| T400 | Water Control Struc | 1 | No | 0.47 | |
| T400 | Sign | 1 | No | 0.59 | LAAN_C2_1717 |
| T400 | Begin Section | 1 | No | 0.59 | LAAN_C2_1716 |
| T400 | Water Control Struc | 1 | No | 0.60 | |
| T400 | Boardwalk -lf | 17 | No | 0.68 | LAAN_C2_1721 |

sf - square feet

lf - linear feet

cf - cubic feet

Lake Andes NWR Trail Location Map



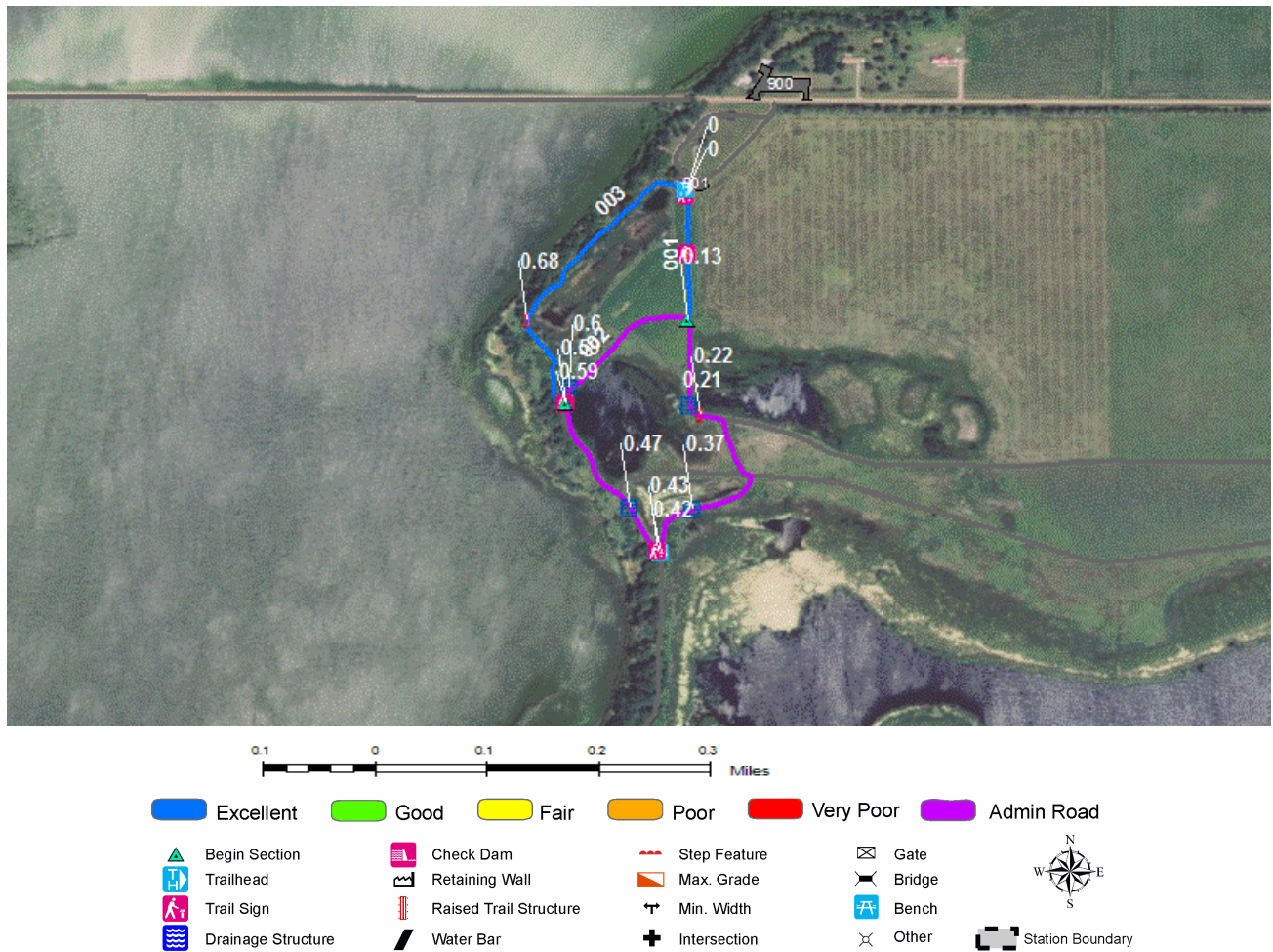
Trails ID

Station Name: Lake Andes NWR

Org Code: 64550

| Trail Number | Trail Name | Surface Type | SAMMS | Trail Mileage | Trail Description (Begin and End point of trail) |
|--------------|--------------------------|--------------|----------|---------------|--|
| T400 | Owens Bay Wildlife Trail | Admin Road | 10031179 | 0.61 | From Hiking Trail Parking (Rte 901) to end of trail loop |
| T400 | Owens Bay Wildlife Trail | Gravel | 10031179 | 0.13 | From Hiking Trail Parking (Rte 901) to end of trail loop |
| T400 | Owens Bay Wildlife Trail | Mowed | 10031179 | 0.29 | From Hiking Trail Parking (Rte 901) to end of trail loop |

TRAIL CONDITION



Trail Name: Owens Bay Wildlife Trail
Trail Number: T400

Refuge Name: Lake Andes NWR
Region: 6

Total Length: 1.03 Miles

| Section Number | 001 | 002 | 003 |
|------------------------------------|------------|------------|------------|
| Section Length (miles) | 0.13 | 0.61 | 0.29 |
| SAMMS Number | 10031179 | 10031179 | 10031179 |
| Rating Date | 05/17/2007 | 05/17/2007 | 05/17/2007 |
| Trail Section Information | | | |
| Trail Class | TC4 | TC3 | TC3 |
| Surface Type | Gravel | Admin Road | Mowed |
| Surface Firmness | Hard | Hard | Firm |
| Width (inches) | 42 | 96 | 50 |
| Average Grade (%) | 1.8 | 1.8 | 1.8 |
| Average X-slope (%) | 2.40 | 2.40 | 2.40 |
| Trail Condition Information | | | |
| Deferred Maintenance | \$105 | | \$44 |
| CRV | \$10,688 | | \$6,506 |
| FCI | 0.01 | | 0.01 |
| Condition | Excellent | | Excellent |

Trail Condition TOTALS

| Deferred Maintenance | CRV | FCI | Condition |
|----------------------|----------|------|-----------|
| \$148 | \$17,194 | 0.01 | Excellent |

TRAIL DEFICIENCY



Trail Name: Owens Bay Wildlife Trail

Refuge Name: Lake Andes NWR

Trail Number: T400

Region: 6

Total Length: 1.03 Miles

| | | | |
|----------------------|-----------------|--------------|--------------|
| Mile Post | 0.04 | 0.06 | 0.85 |
| Section Number | 001 | 001 | 003 |
| Photo Number | LAAN_C2_1712 | LAAN_C2_1714 | LAAN_C2_1722 |
| Deficiency | Trail Structure | Other | Other |
| Action | Repair | Build/Add | Repair |
| Item | Other | Tread -sf | Tread -sf |
| Quantity | 1 | 5 | 5 |
| Deferred Maintenance | \$41 | \$63 | \$44 |

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Lake Andes NWR
DATE: 05/17/2007



Photo # LAAN_C2_1708 - MP 0.00 - Sign

TRAIL NUMBER: T400
STATION: Lake Andes NWR
DATE: 05/17/2007



Photo # LAAN_C2_1709 - MP 0.00 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Lake Andes NWR
DATE: 05/17/2007



Photo # LAAN_C2_1710 - MP 0.00 - Sign

TRAIL NUMBER: T400
STATION: Lake Andes NWR
DATE: 05/17/2007



Photo # LAAN_C2_1711 - MP 0.01 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400

STATION: Lake Andes NWR

DATE: 05/17/2007



Photo # LAAN_C2_1713 - MP 0.06 - Sign

TRAIL NUMBER: T400

STATION: Lake Andes NWR

DATE: 05/17/2007



Photo # LAAN_C2_1715 - MP 0.13 - Begin Section

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400

STATION: Lake Andes NWR

DATE: 05/17/2007



Photo # LAAN_C2_1723 - MP 0.43 - Sign

TRAIL NUMBER: T400

STATION: Lake Andes NWR

DATE: 05/17/2007



Photo # LAAN_C2_1716 - MP 0.59 - Begin Section

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Lake Andes NWR
DATE: 05/17/2007



Photo # LAAN_C2_1717 - MP 0.59 - Sign

TRAIL NUMBER: T400
STATION: Lake Andes NWR
DATE: 05/17/2007



Photo # LAAN_C2_1721 - MP 0.68 - Boardwalk -lf

Glossary of Terms and Abbreviations

| | |
|--|---|
| Acc Info | Accessibility information available at trailhead. |
| Action | Action required to correct deficiency. |
| Admin Road | Administration Road. Admin Roads signed and advertised as trails are included in the trail inventory but a condition assessment is NOT done. |
| Alt SAMMS | SAMMS number of Alternate Facility Type. |
| Alt Type | Alternate Facility Type. Trail lies on a feature such as a levee, dam, administrative road or bridge, which has a separate SAMMS number. |
| AvgGrade | The average grade of the trail (%). The average of five measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles. |
| AvgSlope | The average cross-slope of the trail (%). The average of five measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles. |
| Check Dam | A small dam constructed across a drainage ditch, swale, or channel to lower the speed of concentrated flows. |
| Condition | Subjective rating of trail based on Facility Condition Index (FCI): FCI \leq .01 = Excellent FCI .02 - .05 = Good FCI .06 - .10 = Fair FCI .11 - .20 = Poor FCI $>$.20 = Failed |
| Crib Wall | Retaining wall. |
| Current Replacement Value (CRV) | The value of an asset determined by the estimated cost of replacing it. |
| Def type | Deficiency Type: Trail Structure, Drainage, Erosion, Obstacle, Trail Location, Other. |
| Deferred Maintenance (DM) | Maintenance that was not performed when scheduled. |

| | |
|---|---|
| Elem ID | Unique identifier for each trail section: Org Code-Trail Number-Section Number. |
| Facility Condition Index (FCI) | DM/CRV |
| Grouped Features | Grouped features include non-unique signs (mileposts, interpretive signs, species identification, etc.), water bars, check dams, steps, drain and drainage dips. For any given grouped feature, a GPS point and photo are taken for the first occurrence only and the total number of features in the group are entered into the “quantity” field of the data dictionary. |
| Info Type | Type of accessibility information available at trailhead: brochure, sign or other. |
| Item | Item on which the “Action” (see above) will be performed. |
| Manage_Use | Managed use of the trail: HIKE, BIKE, NSPC (non-specified), PACK, POR (portage), SNOWSHOE, XSKI (cross-country ski), OTHER. |
| MP | Distance of a trail feature or deficiency from the Trailhead. |
| Puncheon | Log footbridge used in area of poor drainage. |
| Raised Trail Structure | Boardwalk, Turnpike, Puncheon. |
| T Class | Trail Class: I-V (see Appendix ? for trail class descriptions). |
| Tr Desig | Trail Designation: Standard (Std), National Historic Trail (NHT), National Recreation Trail (NRT), National Scenic Trail (NST). |
| Turnpike | Trail tread elevated with dirt, rock or other aggregate from parallel side ditches and held in place by logs. |